

AMENDMENTS TO THE SPECIFICATION

ABSTRACT

A stabilized buoy platform for cameras, sensors, illuminators and tools, which incorporates a buoy, a stabilizing mechanism and a stabilized payload thereon. Affixed to the stabilized payload platform are sensors and tools which include cameras and sensors systems integrated with the appropriate illumination technology, all of which are stabilized both for ease of ~~tacking~~ tracking identification and monitoring of targets. The invention also provides for other species of objects and tools, applicable in surveillance, security, protection and tasks where tools need to be stabilized to perform their intended functions. This includes tools such as a paint brush, drill, welding iron or gun, and can undertake physical operations and tasks which are, but are not limited to: painting, drilling, welding, sandblasting or shooting. These capabilities can be controlled via wired or wireless remote controlled, or hands-on operation.

CROSS REFERENCE TO RELATED APPLICATIONS

This is a continuation-in-part of application Ser. No. 10/236,847, filed Sep, 7, 2002, now Pat. No. 6,718,130 and incorporated by reference herein.

[0006] It is desirable for security and surveillance reasons to illuminate and track objects from a buoy, aiding human and computers to recognize, identify and track objects within the sensor's field of view. Stabilization of both the camera/sensor and illumination means, in varying spectrums, is invaluable to increasing image clarity, recognition and sensor range. The more stable these images, the easier and more accurately the subject object can be identified. In Grober "Stabilized Camera and Marker Buoy for Media Coverage of Aquatic Events" U.S. patent 6,718,130, ~~application 10/236,847~~, one embodiment carries a camera and audio microphone. It would be desirable to have a physical configuration of the stabilization platform that includes